

Date: Fri, 11 Jun 93 12:37:07 PDT
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #715
To: Info-Hams

Info-Hams Digest Fri, 11 Jun 93 Volume 93 : Issue 715

Today's Topics:

BNC connectors
Field Day Power.
Ham Radios in movies (2 msgs)
How to connect Astatic D-104 to Drake TR-4CW
Intermodulation, dummy-load antennas and HT's (3 msgs)
Looking for a GPS receiver -- Recommendations?
 RESULT: rec.radio.amateur reorganization
SB200 power supply problems - help please.
 The ITU phonetic alphabet
 WWV on Telephone (4 msgs)

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 11 Jun 1993 16:21:17 GMT
From: usc!howland.reston.ans.net!gatech!concert!news-feed-1.peachnet.edu!
bogus.sura.net!ra!cs.umd.edu!mojo.eng.umd.edu!chuck@network.UCSD.EDU
Subject: BNC connectors
To: info-hams@ucsd.edu

In article <103360185@hpfcs0.FC.HP.COM> nmp@hpfcs0.FC.HP.COM (Noel Pace) writes:
>I was told years ago that it was short for British Naval Connector.

Well, then you were told wrong!

The "B" stands for Bayonetted, and the "N" and "C" are the initials of
the designers. Which were, aproximately: Neal and Concilman

Similarly, the "T" in "TNC" stands for "Threaded". The "N" connector was designed by Mr. Neal, and the "C" connector was designed by Mr. Concilman.

I always get these famous gentleman's names a little bit wrong. Sorry.

73,

Chuck Harris - WA3UQV
chuck@eng.umd.edu

Date: 11 Jun 1993 16:31:59 GMT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!howland.reston.ans.net!gatech!concert!news-feed-1.peachnet.edu!bogus.sura.net!ra!cs.umd.edu!mojo.eng.umd.edu!chuck@network.UCSD.EDU
Subject: Field Day Power.
To: info-hams@ucsd.edu

In article <93061111310.AA16218@swwmis> P.Lucas@mail.nerc-swindon.ac.UK writes:

>hours will see you tearing down the engine & replacing most of it, but with
>a good diesel, it will only just be bedded in at 1000 hours.
>
>My favorite generator [alas no longer available] used a 3-cylinder
>water-cooled YANMAR diesel, coupled to a MARKON self-regulating alternator;
>it would do 110V at 5KVA continuous duty; under typical field-day
>conditions, it just loafes along; the lights stay bright when someone plugs
>the toaster in!

No question, that diesel is the best way to go for long life and pure power.

But you will have to have a trailer hitch, as these things are not portable!
On the other hand, for a typical FD use, and for the occasional long term
power outage, a small, luggable gas engine generator will probably serve you
better.

As to spark noise, that is pretty much a thing of the past. All of the
recent gas engine products use suppressor wires between the magneto and the
plug, and often a resistor plug. (You practically need to get a prescription
to get Packard 440 wire these days!) You won't hear any spark noise.

73,

Chuck Harris - WA3UQV

Date: 11 Jun 93 17:09:00 GMT
From: news.tek.com!gvgpsa.gvg.tek.com!gold.gvg.tek.com!groverc@uunet.uu.net
Subject: Ham Radios in movies
To: info-hams@ucsd.edu

On a similar vein, there are several movies in which the original American (landline) morse plays a part.

In one poorly done film there is a closeup of a sounder in a railroad depot. From the sounder in perfect International Morse comes tone, not clicking.

Grover C

WT6P

Date: 11 Jun 93 17:23:10 EDT
From: sdd.hp.com!ux1.cso.uiuc.edu!howland.reston.ans.net!wupost!udel!news.intercon.com!psinnntp!arrl.org@network.UCSD.EDU
Subject: Ham Radios in movies
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, levy@levy.fnal.gov (Mark E. Levy, ext. 8056) writes:
>In article <1578@arrl.org>, jkearman.org (Jim Kearman) writes:
>> In the US, I've noticed a Chrysler ad in which the car's
>> headlights seem to be flashing Morris. My visual code
>> speed's too low and my VCR is in the closet....anyone
>> know what the car's saying?
>>
>
>It's not saying anything, at least not with the headlights. The car is
>"speaking," and the lights flash with every word.
>
>-ML
>
Thanks. That's what I get for muting during commercials!

--
Looking for historical information on the GRC-109 radio set.

jkearman@arrl.org

Date: 11 Jun 93 13:54:41 EDT
From: hayes!bcoleman@uunet.uu.net
Subject: How to connect Astatic D-104 to Drake TR-4CW
To: info-hams@ucsd.edu

In article <1993Jun8.160148.21842@ke4zv.uucp>, gary@ke4zv.uucp (Gary Coffman) writes:

>
> Richard, the microphone connector on the Drake equipment is certainly
> *not* a 1/4 inch stereo jack.

Nope. It is too skinny.

> Instead it is a special 0.205 inch diameter
> *3.5* circuit connector commonly found on aircraft and certain military
> radios. Major electronics supply houses stock the required plug, a PJ-068,
> but you won't find them at Radio Shack. The reason Drake used this connector
> rather than the common 1/4 inch stereo connector is a mystery. But there
> are some clues.

I think you left out the biggest clue.

This jack is common on military equipment as a carbon microphone connector. It is standard for aviation use. All aviation radios, intercoms and headsets use this connector for the microphone circuit.

Few headsets or hand mics use actual carbon elements anymore. Usually a noise-cancelling electret is used with an adapter circuit built-in to fit the carbon mic interface in the radios.

This standard probably dates back to WWII.

--

Bill Coleman, AA4LR ! CIS: 76067,2327 AppleLink: D1958
Principal Software Engineer ! Packet Radio: AA4LR @ W4QO
Hayes Microcomputer Products, Inc. ! UUCP: uunet!hayes!bcoleman
POB 105203 Atlanta, GA 30348 USA ! Internet: bcoleman%hayes@uunet.uu.net
Disclaimer: "My employer doesn't pay me to have opinions."
Quote: "The same light shines on vineyards that makes deserts." -Steve Hackett.

Date: 11 Jun 1993 17:02:20 GMT
From: usc!elroy.jpl.nasa.gov!news.aero.org!Aero.org!obrien@network.UCSD.EDU
Subject: Intermodulation, dummy-load antennas and HT's
To: info-hams@ucsd.edu

In article <9306111604.AA46802@swmis>, P.Lucas@mail.nerc-swindon.ac.UK writes:

|> Has anyone considered looking into sharply-tuned antennas for HT's?
|> (a 1/4-wave whip with some sort of high-Q matching network at its base..)

Try an AEA "Hot Rod". 2meter, 220, and 440 versions available. That's exactly what these antennas are.

--

Mike O'Brien
obrien@aero.org

Date: Fri, 11 Jun 1993 18:31:10 GMT
From: usc!cs.utexas.edu!convex!horak@network.UCSD.EDU
Subject: Intermodulation, dummy-load antennas and HT's
To: info-hams@ucsd.edu

In <1vadqs\$3od@news.aero.org> obrien@Aero.org (Michael O'Brien) writes:

>In article <9306111604.AA46802@swmis>, P.Lucas@mail.nerc-swindon.ac.UK writes:
>|> Has anyone considered looking into sharply-tuned antennas for HT's?
>|> (a 1/4-wave whip with some sort of high-Q matching network at its base..)

>Try an AEA "Hot Rod". 2meter, 220, and 440 versions available. That's
>exactly what these antennas are.

I second the AEA Hotrod recommendation. I use the 2meter version on my dual band DJ560T. If I want to use it on 440, I fully collapse it, then pull out the top two and 1/2 sections. Out in the desert mountains of SW Texas, I have hit repeaters over a hundred miles away on two watts!

David N50FQ

Date: 11 Jun 1993 18:55:16 GMT
From: usc!sdd.hp.com!saimiri.primate.wisc.edu!usenet.coe.montana.edu!
netnews.nwnet.net!news.uoregon.edu!systems%ns.uoregon.edu@network.UCSD.EDU
Subject: Intermodulation, dummy-load antennas and HT's
To: info-hams@ucsd.edu

In article <horak.739823470@convex.convex.com> horak@convex.com (David Horak) writes:

> In <1vadqs\$3od@news.aero.org> obrien@Aero.org (Michael O'Brien) writes:
>
> >In article <9306111604.AA46802@swmis>, P.Lucas@mail.nerc-swindon.ac.UK
writes:
> >|> Has anyone considered looking into sharply-tuned antennas for HT's?

> >|> (a 1/4-wave whip with some sort of high-Q matching network at its base..)
>

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> >exactly what these antennas are.

>
> I second the AEA Hotrod recommendation. I use the 2meter version on my
> dual band DJ560T. If I want to use it on 440, I fully collapse it, then
> pull out the top two and 1/2 sections. Out in the desert mountains of
> SW Texas, I have hit repeaters over a hundred miles away on two watts!

>
> David N50FQ
What kind of match do you get on 440? If it works well it looks like an
inexpensive alternative to the more expensive dual-bander antenna.

--

Jeff Hite KF7SZ
Computing Center
U of Oregon
jeffh@ludwig.cc.uoregon.edu

Date: 11 Jun 93 19:29:15 GMT
From: news-mail-gateway@ucsd.edu
Subject: Looking for a GPS receiver -- Recommendations?
To: info-hams@ucsd.edu

I am interesting in acquiring a portable (preferably hand-held) global
positioning system (GPS) receiver. I would really like the rx to have an
RS232 interface, as well. Anyone have a recommendation or other comments?
Please respond directly to me; I'll summarize for the group if appropriate and
useful. Tnx -73!

Rick Patterson
Internet: rpatters@RadioMail.net
Internet: rpatters@KentVM.Kent.edu

Date: 11 Jun 1993 15:14:28 -0400
From: bounce-back@uunet.uu.net
Subject: RESULT: rec.radio.amateur reorganization
To: info-hams@ucsd.edu

The voting period for the rec.radio.amateur reorganization has ended as of
2359 GMT, 9 June 1993 (7 PM US Central Daylight Savings Time). The results are
as follows:

rec.radio.amateur reorganization results - 307 votes

| Yes | No | 2/3? | >100? | Pass? | Group |
|-----|-----|------|-------|-------|----------------------------------|
| 202 | 91 | Yes | Yes | Yes | rec.radio.amateur.digital.misc |
| 179 | 110 | No | No | No | rec.radio.amateur.digital.tcp-ip |
| 186 | 97 | No | No | No | rec.radio.amateur.dx |
| 196 | 93 | Yes | Yes | Yes | rec.radio.amateur.antenna |
| 197 | 97 | Yes | Yes | Yes | rec.radio.amateur.equipment |
| 172 | 106 | No | No | No | rec.radio.amateur.instruction |
| 175 | 108 | No | No | No | rec.radio.amateur.operating |
| 194 | 93 | Yes | Yes | Yes | rec.radio.amateur.homebrew |
| 204 | 88 | Yes | Yes | Yes | rec.radio.amateur.space |
| 175 | 105 | No | No | No | rec.radio.amateur.emerg-services |
| 142 | 125 | No | No | No | rec.radio.amateur.rdf |

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In accordance with the Guidelines for Newsgroup Creation, the following groups will be created, barring any serious procedural objections, on or about Monday, 14 June 1993:

rec.radio.amateur.digital.misc
 amateur packet radio, RTTY, AMTOR, Clover and other digital amateur radio modes (This replaces rec.radio.amateur.packet and adds other digital modes to the subject)

rec.radio.amateur.antenna
 amateur radio antennas: theory, techniques and construction

rec.radio.amateur.equipment
 amateur radio equipment: manufactured products and modifications

rec.radio.amateur.homebrew
 amateur radio construction & experimentation

rec.radio.amateur.space
 amateur radio in space: amateur radio satellites, earth-moon-earth (EME) communications, space shuttle, MIR space station, etc.

The existing rec.radio.amateur.packet newsgroup will be removed on or about Tuesday, 14 September 1993.

Here are the individual votes cast. The list is in case-insensitive order of the voter's email address, and lists the address, name, and votes cast (the 11 characters at the end of each line are in the same order as the results text above). The address and name are as parsed by Ron Dippold's UseVote software, version 1.0. An attempt was made to mail an acknowledgement to each voter, with his vote as parsed by UseVote, but inevitably some bounced. I did not

upgrade to later versions of UseVote because I did not wish to have to re-validate the process during a running vote. I have all of the email messages on file for all of the votes cast; if you're really intersted in them, drop me email and I'll make arrangements for transferring them.

rec.radio.amateur reorganization Final Vote Ack

| | |
|--|----------------|
| "Bent Bagger, OZ6BL"bb@craynet.dk | YY-----YY-- |
|) (cheech@ocean.med.unc.edu (Greg Young) | YYYYYYYYYYYY |
| a-kevinp@microsoft.com (Kevin Purcell (Rho) | NNNNYYYYYYYY |
| A.D.S.Benham@bnr.co.uk | YY----- |
| aanineat@leland.Stanford.EDU | YYNNYNNNNYYY |
| abe@vic.cc.purdue.edu (Vic Abell) | YNNYNNNNNN |
| acollins@uclink.berkeley.edu (Andy Collins) | YY-YY--YYYY |
| acourt@ncc.uky.edu | YYNNNNNNNNNN |
| ad815@yfn.ysu.edu (John S. Kennedy) | YYYYYYYYYYYY |
| ae1t@oz.plymouth.edu (Peter G. Drexel) | NYYYYYYYYYYY |
| agodwin@acorn.co.uk (Adrian Godwin) | NNYNNNNNNYNN |
| aj@sage.cc.purdue.edu (John Dormer) | YYYYYYYYYYYY |
| ak413@yfn.ysu.edu (James R. Hufford) | YYYYYYYYYYYY |
| Al_Brackett@DGC.MCEO.DG.COM | YYYYYYYYYYYY |
| anderson@optical.bms.com (Jay Anderson) | YYYYYYYYYYYY |
| andre@boombox.micro.umn.edu ("Andre" V. Thomas") | YYYYYYYYYYYY |
| andyw@aspen.cray.com (Andy Warner) | NNNNNNNNNNNN |
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| arthurj@equinox.unr.edu (Art Johnson) | YYYYYYYYYYYY |
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| B10990@ANLVM.CTD.ANL.GOV ("GARY MYERS") | YYYYYYYYYYYY |
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| bandy@well.sf.ca.us (Andrew Scott Beals) | YYYYYYYYYYYY |
| bcoleman@hayes.com | NNNNNNYNNYNN |
| becker@boilerbob.corp.mot.com (John Becker) | YYYYY-YY--- |
| ben@nj8j.atl.ga.us | YYYYNYYYYYYY |
| bernerus@cs.chalmers.se (Christer Bernerus) | YYYYY-YYY-- |
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| bob@bpamiga.pegasus.com (Bob Proffitt) | YYYYYYYYYYYY |
| bob@mtdcr.att.com | NNNNNNNNNNNN |
| bobh@hpesoc1.cup.hp.com (Bob Headrick) | NNNNNNNNNNNN |
| bobw@col.hp.com (Bob Witte) | NNYNNNNYNNNN |
| bpathd@deincr.RAIDER.NET ("Teri Nelson [NOT DEE!]) | YYYYYYYYYYYY |
| bpathj@deincr.RAIDER.NET ("W. Jane Billingsley, Owner by DAMN!") | YYYYYYYYYYYY |

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| brian@UCSD.EDU (Brian Kantor) | NNNNNNNNNNNN |
| brown@sunfs1.dsd.northrop.com (Brown) | YYYYYYYYYYY |
| brynell@gdwest.gd.com (David L. Brynell) | NNNNNNNNNNNN |
| btbg1194@uxa.cso.uiuc.edu (Bradley T Banko) | NNYYNYNNYYY- |
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| byon@csulb.edu (Byon Garabrant) | YYNNYYYYNNYY |
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| gedwards@ncratl.atlantaga.NCR.COM (Gordon Edwards) | --Y--YY-YY- |
| ggjns@knuth.mtsu.edu (John Schmidt) | YYYYYYYYYYYY |
| ggw@wolves.Durham.NC.US (Gregory G. Woodbury) | YYYYYYYYYYYY |
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| gjmott11@monty.b17b.ingr.com (Greg Montllor) | NNNNNNNNNN |
| glg@balrog.k8lt.ampr.org (Gary L. Grebus) | NNNNNNNNNN |
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| gswanson@arrl.org (Glenn Swanson) | YYYYYYYYYYYY |
| gtaylor@taex003n.tamu.edu (Gregory S. Taylor) | --NNN-N-N-- |
| guy@coos.dartmouth.edu (Guy Schiavone) | YYYYYYYYYYYY |
| gzf50@juts.ccc.amdahl.com (Giuseppe Filiaci) | YYYYYYYYYYYY |
| hanko@wv.MENTORG.COM (Hank Oredson) | YNYYYYYYYY |
| hatter!mhatther (Henry Middlebrook) | YYYYYYYYYYYY |
| haymoree@quack.kfu.com (Ed Haymore) | YNNYNNYNNY |
| HEACOCK@kuhub.cc.ukans.edu (Doug Heacock) | YYYYYYYYYYYY |
| herbison@lassie.ucx.lkg.dec.com (B.J.) | YY-YYY-YYY- |
| hmpetro@mosaic.uncc.edu (Herbert M Petro) | NNNNNNNNNNNN |
| horak@src.dec.com (Brad Horak) | YYYYYYYYYYYY |
| hrand@PICA.ARMY.MIL ("Henry T. Rand" (AED-FD) | YNNNNNNYNN |
| ikluft@uts.amdahl.com (Ian Klufft) | YYYYYYYYYYYY |
| inp@violet.berkeley.edu (Bob Tidd KJ6CS) | YYYYYYYYYYYY |
| jackson@e5sf.hweng.syr.ge.com (jackson) | YYYYYYYYYYYY |
| jangus@skyld.tele.com ("Jeffrey D. Angus") | NNNNNNNNNNNN |
| jayk@hpxxx.fc.hp.com (Jay Kesterson K0GU x6826) | -NNNNNNNNNN |
| jet@nas.nasa.gov (J. Eric Townsend) | YYYYYYYYYYYY |
| jga@dreaml.wariat.org (Jon Anhold) | YY-YY-Y--YY |
| jgt10@uts.amdahl.com (John G. Thompson) | YYYYYYYYYYYY |
| jhoag@magnus.acs.ohio-state.edu (John Hoag) | YY-----Y-- |
| jhobson@SU19F.ess.harris.com (Harv Hobson) | NNNNNNNNNNNN |
| jhoos@ux4.cso.uiuc.edu (Jason Hoos) | YYYYYYYYYYYY |
| jim@n5ial.mythical.com (Jim Graham) | YYYYYYYYYYYY |
| jlgiasi@umassmed.UMMED.EDU (John L. Luigi Giasi) | NNNNNNNNNNNN |
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| jmeyers@ecst.csuchico.edu (Jeff Meyers) | YYYYYYYYYYYY |
| jmorris@spider.co.uk (John Morris) | YYYYYYYYYYYY |
| jmr@ruth.ece.psu.edu (Joe Reinhardt) | YYYYY---Y-- |
| jones%azterra@sj.ate.slb.com (Clark Jones) | NNNNNNNNNNNN |
| jrmassi@aplcnmp.apl.jhu.edu (Massi joseph r 301-369-7780) | YYYYYYYYYYYY |
| jspady@plaza.ds.adp.com | YYYYYYYYYYYY |
| julian@bongo.tele.com (Julian Macassey) | NNNNNNNNNNNN |
| jvp@cpre1.ee.iastate.edu (Jim Van Peursem) | YYYYYYYYYYYY |
| jws@hpfcrn.fc.hp.com (John Schmidt) | NNNNNNNNNNNN |
| K.E.Walton@bradford.ac.uk | YYYYYNNYYY- |
| kahrs@gandalf.rutgers.edu (Mark Kahrs) | YYYYYYYYYYYY |
| kawai@speech.sri.com (Goh Kawai N6UOK) | NNNNYNNYNN |
| kchen@apple.com (Kok Chen) | NNNNYNNYNN |
| kd6hr.El_Segundo@xerox.com | NNNNNNNNNNNN |
| kevin@ws066.torreypinesca.NCR.COM (Kevin Sanders) | YNNYYYYNNN |
| kirsanwa@catipult.anatcp.rockwell.com | NNNNNNNNNNNN |
| kkudielk@email.tuwien.ac.at (Klaus KUDIELKA) | YY-YY--YY-- |
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| kristin@gandalf.umcs.maine.edu (Kristin Rachael Hayward) | YNYNNNNYNNN |
| kurt@cs.tamu.edu (Kurt Freiburger) | YYYYYYYYYYY |
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| larson@net.com (Alan Larson) | NNNNNNNNNNN |
| lemsys!clemon | NNYYNYNYNN |
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| lisa@deincr.RAIDER.NET | YYYYYYYYYYY |
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| luru@stekt.oulu.fi (Ari Husa) | YYY-----YY- |
| mam@gvgspd.gvg.tek.com (Mark A. Matthews) | YYYYYYYYYYY |
| mann@eskimo.com (Tom Mann) | YYYYYYYYYYY |
| marc@Athena.MIT.EDU (Marc Horowitz) | YYYYYYYYYYY |
| marchant@cea.Berkeley.EDU (Will Marchant) | Y--YYY--YY- |
| mark@ERA.COM (Mark Feit) | --NNNNNNNNN |
| mark@ve6mgs.ampr.org (Mark G. Salyzyn) | YYYYY-YYYYY |
| markz@ssc.com (Mark Zenier) | -----Y-YY-Y- |
| martin.zurn@jrc.it (Martin Zurn) | YYYYNNNNYNYN |
| martinbw@jackatak.raider.net (Bruce Martin) | YYYYYYYYYYY |
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| mikef@pacifier.rain.com (Mike Freeman) | YYYYYYYYYYY |
| mikemr@microsoft.com (Michael Mraz) | NNNNNNNNNNN |
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| u009@csx.cciw.ca (G. Stewart Beal) | YYYYYYYYYYYY |
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| UUPETE@MARS.LERC.NASA.GOV | NNNYNNNNNNNN |
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| zawodny@arbd0.larc.nasa.gov (Dr. Joseph M Zawodny) | YYYYYYYYYYYY |

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Jay Maynard, EMT-P, K5ZC, PP-ASEL | Never ascribe to malice that which can
 jmaynard@oac.hsc.uth.tmc.edu | adequately be explained by stupidity.

"If my car ran OS/2, it'd be there by now" -- bumper sticker

Date: Fri, 11 Jun 1993 19:17:16 GMT
 From: sdd.hp.com!col.hp.com!news.dtc.hp.com!srngenprp!alanb@network.UCSD.EDU
 Subject: SB200 power supply problems - help please.
 To: info-hams@ucsd.edu

F. Kevin Feeney (fkf1@cornell.EDU) wrote:

: A buddy of mine has a 20 year old SB200 amplifier. He was having some
 : problems with low plate voltage (1800 vs a quote of 2400 in the manual) and
 : sometimes no idling or low idling current. Then it went bang and took out a
 : string of 3 of the caps in one leg of the supply. We found shorted caps -
 : checked the diodes with an electronic ohmmeter and they seemed to still be
 : ok. (diode test mode)

..

: Well [new] caps got installed, tubes were left out in the interest of keeping
 : things going bang to a minimum, and the supply was fired up. A humming

: noise, a "ffft-pop" and 4 seconds later the power was shut off by him.
: Result was 2 caps too hot to touch, and now acting like "not capacitors"
: and 4 left that still seem to be ok.

: Our thoughts are that maybe we didn't test the diodes rigorously enough and
: that we were dumping AC into the caps and heating them up?

That would be my guess. The diodes may have shown low reverse leakage
on a low-voltage ohm meter, but break down at high voltage.

: Questions:

:

: 1: We figure now to replace all the diodes just in case - anyone know their
: ratings? They have heath part numbers on them. What's an IN400X equivalent?
: I'm guessing they should be something like 400 PIV, 1-2 amps - but I'm sure
: somebody out there has done this before.

1N4004 are 1 kV, 1A diodes. That's probably what you want.

: 2: Anything special we should do to power it up and check it out? Tubes in?
: Tubes out? I'd kind of favor tubes out and bring it up with a variac to
: form the caps (which were date coded 1993, so they should be fresh)

A variac is a good idea.

: 3: Should we be suspicious of the remaining caps? Or other parts? The
: bleeders seemed intact. The caps were new. We thought we had checked the
: diodes. The transformer is presumably still ok, if not I'm afraid we are
: probably dead in the water anyway.

I would make sure all the caps in each string are the same value,
manufacturer and date code. That way the capacitance and leakage will
likely be well-matched.

: 4: A good theory for what happened in failures 1 and 2? We figured the caps
: just got old - maybe there was something else going on.

Probably bad diodes. A high-voltage transient on the power line can
damage them.

AL N1AL

Date: 10 Jun 93 16:20:24 GMT

From: usc!howland.reston.ans.net!math.ohio-state.edu!uwm.edu!msuinfo!

netnews.upenn.edu!gopher.cs.uofs.edu!priyat.cs.uofs.edu!bill@network.UCSD.EDU

Subject: The ITU phonetic alphabet

To: info-hams@ucsd.edu

In article <1v7bot\$bds@jericho.mc.com>, levine@mc.com (Bob Levine) writes:

|>

|> I have found that Germany is much more effective for G.

|>

And if I am a non-english speaker educated in a non-english speaking country why would I assume that stood for "G" as opposed to "J"??

bill KB3YV

--

| | |
|------------------------|---|
| Bill Gunshannon | "There are no evil thoughts, Mr. Reardon" Francisco |
| bill@cs.uofs.edu | said softly, "except one; the refusal to think." |
| University of Scranton | |
| Scranton, Pennsylvania | #include <std disclaimer.h> |

Date: 11 Jun 93 15:57:35 GMT
From: news-mail-gateway@ucsd.edu
Subject: WWV on Telephone
To: info-hams@ucsd.edu

Someone in the recent past asked if time sources like WWV was available on a telephone dial-in basis. Check these out:

WWV - Anchorage AK <Elmendorf AFB> - 907-552-3553
WWV - Austin TX <Bergstrom AFB> - 512-369-3303
WWV - Lompoc CA <Vandenburg AFB> - 805-866-3796

Master Clock - Wash DC <Naval Observatory>, 202-653-1800
Master Clock - Wash DC <Naval Observatory>, 202-653-1920

jd..k1zat

Date: 11 Jun 1993 17:20:32 GMT
From: swrinde!cs.utexas.edu!asuvax!chnews!news@network.UCSD.EDU
Subject: WWV on Telephone
To: info-hams@ucsd.edu

In article <9306111557.AA28624@tecnet1.jcte.jcs.mil>
jdelancy@tecnet1.jcte.jcs.mil writes:

>Someone in the recent past asked if time sources like WWV
>was available on a telephone dial-in basis.

Also, you can dial Ft. Collins directly (303)499-7111

>jd..k1zat

Jim, W5GYJ

Date: Fri, 11 Jun 1993 16:54:19 GMT
From: csus.edu!netcom.com!wa2ise@decwrl.dec.com
Subject: WWV on Telephone
To: info-hams@ucsd.edu

In article <9306111557.AA28624@tecnet1.jcte.jcs.mil> jdelancy@tecnet1.jcte.jcs.mil
writes:

>
>WWV - Anchorage AK <Elmendorf AFB> - 907-552-3553
>WWV - Austin TX <Bergstrom AFB> - 512-369-3303
>WWV - LomPoc CA <Vandenburg AFB> - 805-866-3796
>
>Master Clock - Wash DC <Naval Observatory>, 202-653-1800
>Master Clock - Wash DC <Naval Observatory>, 202-653-1920
>
>jd..k1zat

Also there is 303-499-7111 Sounds like the audio from WWV. This number
lets you listen for about 2 minutes, then disconnects.

Date: Fri, 11 Jun 1993 18:19:53 GMT
From: swrinde!cs.utexas.edu!convex!news.utdallas.edu!feenix.metronet.com!
marcbg@network.UCSD.EDU
Subject: WWV on Telephone
To: info-hams@ucsd.edu

In article <9306111557.AA28624@tecnet1.jcte.jcs.mil> jdelancy@tecnet1.jcte.jcs.mil
writes:

>Someone in the recent past asked if time sources like WWV
>was available on a telephone dial-in basis. Check these
>out:
>
>WWV - Anchorage AK <Elmendorf AFB> - 907-552-3553
>WWV - Austin TX <Bergstrom AFB> - 512-369-3303
>WWV - LomPoc CA <Vandenburg AFB> - 805-866-3796

>
>Master Clock - Wash DC <Naval Observatory>, 202-653-1800
>Master Clock - Wash DC <Naval Observatory>, 202-653-1920
>
>jd..k1zat

And, of course, good 'ol Fort Collins itself:
 WWV- 303-499-7111

Happy timing!

--

| Marc B. Grant, N5MEI Internet: marcbg@feenix.metronet.com
| P.O. Box 850472 Telephone: 214-231-3998 (voice)
| Richardson, TX 75085-0472 214-231-0025 (fax)

End of Info-Hams Digest V93 #715
